

**TO: Suborbital Science Program  
NASA Headquarters  
Mail Suite 3F71  
Attn: Randy Albertson**

**FAX: (202) 358-2770  
Voice: (202) 358-7212**

## **Flight Report**

<b>Aircraft :</b>	Kenn Borek Air DC-3T Basler
<b>Operating Site(s) From / To :</b>	NZIR/NZIR
<b>Flight Date :</b>	November 10, 2009 (NZDT)
<b>Flight Number / Data Flight # :</b>	F04 / 1
<b>Time out:</b>	<b>0052 UTC</b>
<b>Time in:</b>	<b>0800 UTC</b>
<b>Flight Time :</b>	7.2 hrs
<b>Flt Request # / PI:</b>	NASA 20090602-084128 (Blankenship)
<b>Purpose of Flight :</b>	<b>Data <input checked="" type="checkbox"/> Ferry <input type="checkbox"/> Functional Check <input type="checkbox"/> Other <input type="checkbox"/></b>
<b>Sensor Payload :</b>	University of Texas at Austin HiCARS ice penetrating radar; National Geospatial-Intelligence Agency BGM-3 gravity meter; UT Reigl LD-90 laser distance meter; UT Geometrics 823-A magnetometer
<b>Comments :</b>	The aircraft flew its first survey flight in its NERC/NSF ICECAP configuration from McMurdo's sea ice runway. The radar hardware, laser altimeter (non-scanning) and potential fields instruments all performed well. Three transects of data were acquired over the Transantarctic Mountains and across the East Antarctic ice sheet, into the area underlain by the Wilkes Subglacial Basin.

**SUBMITTED BY: Duncan Young      10 November 2009**